

1/13

FIG.1

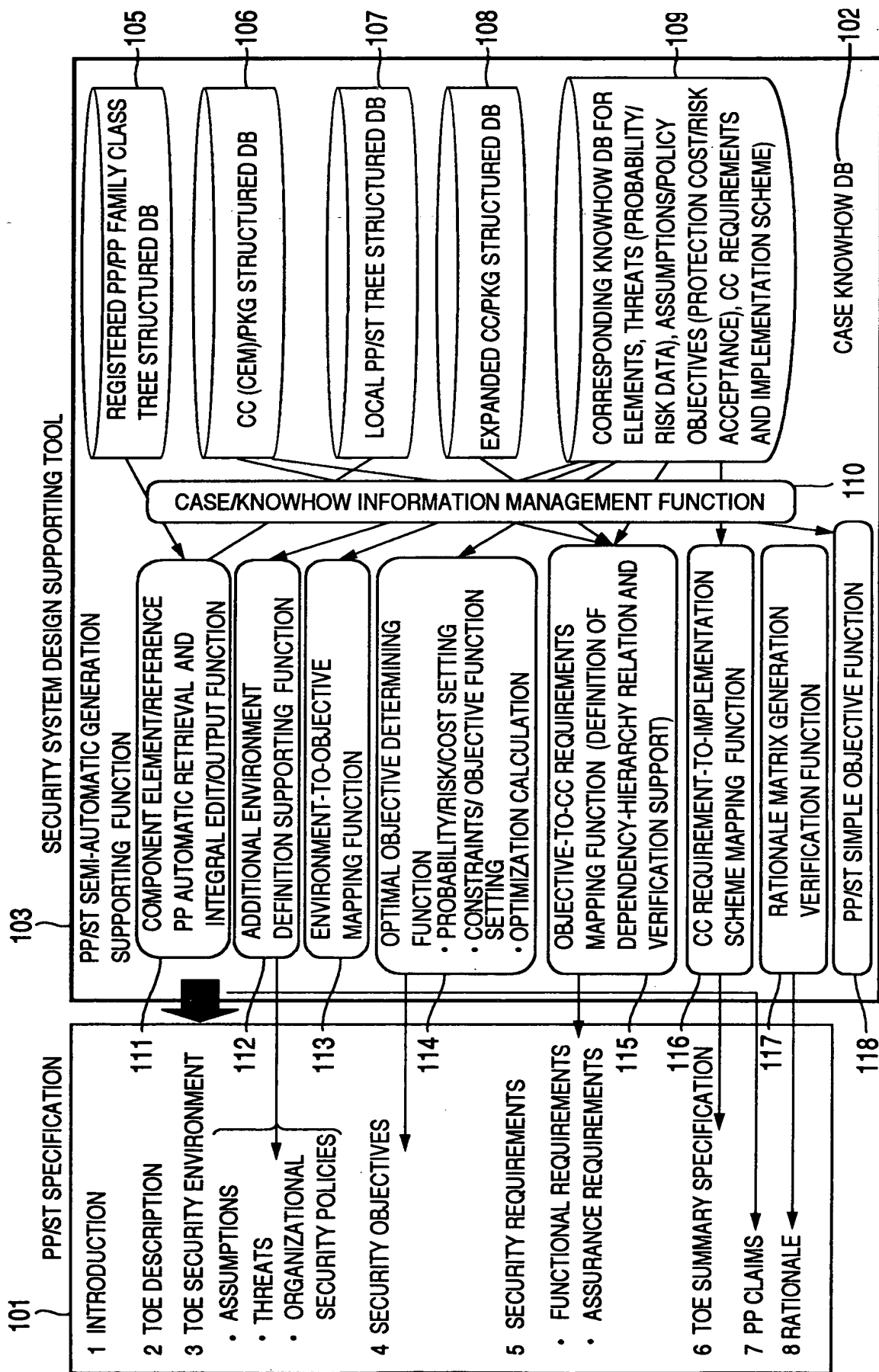
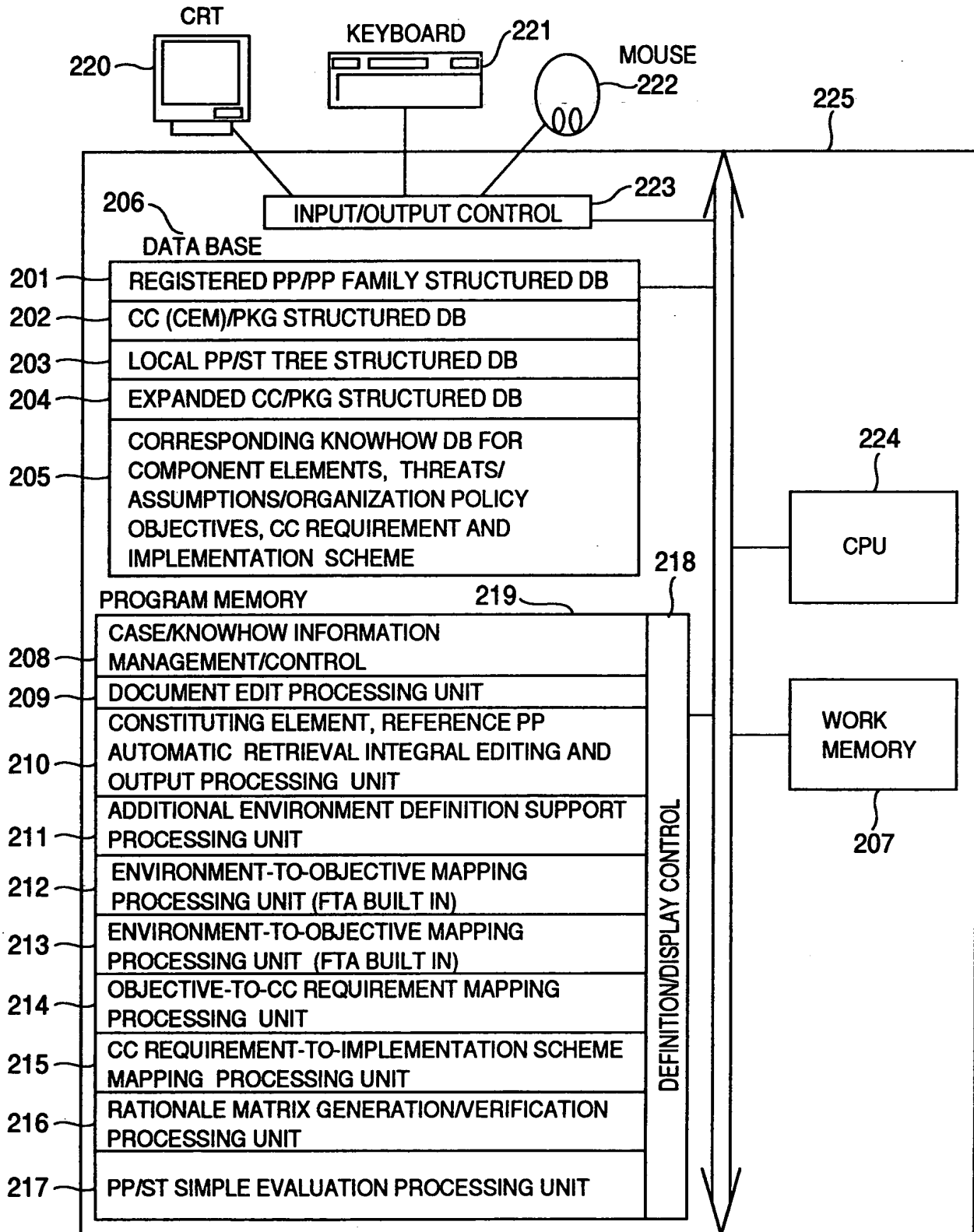


FIG.2



SECURITY SYSTEM DESIGN SUPPORTING TOOL

0040016 081200

FIG.3

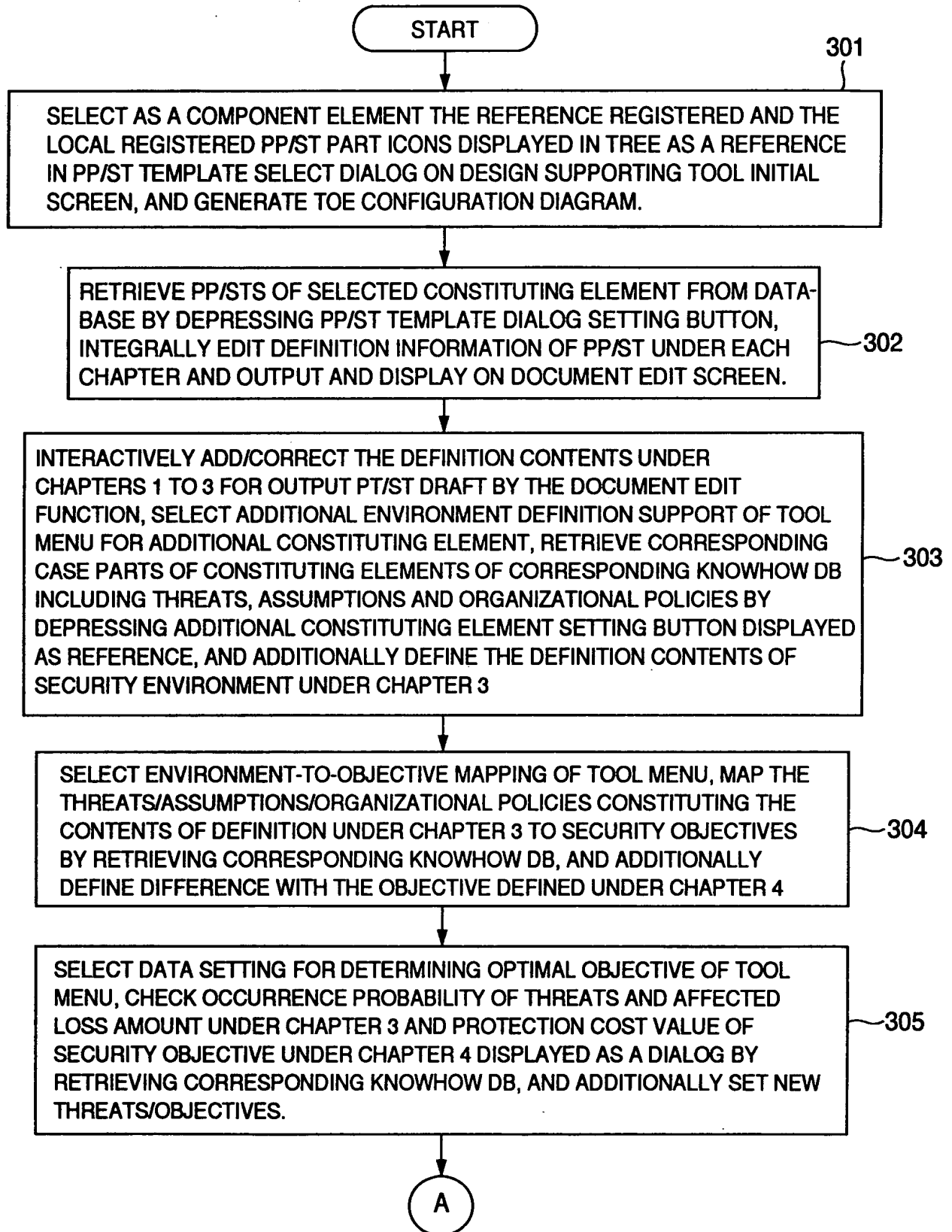


FIG.4

A

SELECT OBJECTIVE OPTIMIZATION CALCULATION FOR DETERMINATION OF OPTIMAL OBJECTIVE OF TOOL MENU, SET CONSTRAINTS AND OBJECTIVE FUNCTION DISPLAYED IN DIALOG, EXECUTE CALCULATION BY DEPRESSING EXECUTION BUTTON, AND AUTOMATICALLY CORRECT DEFINITION CONTENTS OF THREATS UNDER CHAPTER 3 AND OBJECTIVES UNDER CHAPTER 4 CORRESPONDING TO COMBINATION OF SECURITY OBJECTIVE PROVIDING OPTIMAL SOLUTION

306

SELECT OBJECTIVE-TO-CC REQUIREMENT MAPPING AND EAL LEVEL OF TOOL MENU, RETRIEVE CC/PKG STRUCTURED DB, EXPANDED CC/PKG STRUCTURED DB AND CORRESPONDING KNOWHOW DB, SPECIFY CC REQUIREMENTS CORRESPONDING TO OBJECTIVE DEFINED UNDER CHAPTER 4, AND AUTOMATICALLY CORRECT THE CONTENTS OF DEFINITION OF SECURITY REQUIREMENTS UNDER CHAPTER 5

307

PP GENERATED ?

308

YES

NO

SELECT CC REQUIREMENT-TO-IMPLEMENTATION SCHEME MAPPING OF TOOL MENU, RETRIEVE CORRESPONDING KNOWHOW DB, SPECIFY IMPLEMENTATION SCHEME CORRESPONDING TO CC REQUIREMENTS DEFINED UNDER CHAPTER 5, AND SET DEFINITION CONTENTS OF SYSTEM SUMMARY SPECIFICATION UNDER CHAPTER 6

309

SELECT RATIONALE MATRIX GENERATION/VERIFICATION OF TOOL MENU, AUTOMATICALLY GENERATE CORRESPONDING MATRIX TABLE FROM CORRESPONDENCE BETWEEN ENVIRONMENT, OBJECTIVES, CC REQUIREMENTS AND IMPLEMENTATION SCHEME UNDER CHAPTERS 3 TO 6 (OR TO CHAPTER 5 FOR PP GENERATION), AND GIVE MESSAGE IF VERIFICATION SHOWS THE PRESENCE OF INFORMATION LACKING CORRESPONDENCE

310

SELECT PP/ST SIMPLE EVALUATION OF TOOL MENU, RETRIEVE CC (CEM)/PKG STRUCTURED DB, DISPLAY PP/ST EVALUATION CHECK LIST FOR CEM IN DIALOG, AND CHECK INTERACTIVELY

311

SELECT STORAGE WITH NAME IN FILE MENU, SET NAME, AND REGISTER GENERATED PP/ST IN LOCAL PP/ST STRUCTURED DB

312

END

FIG.5

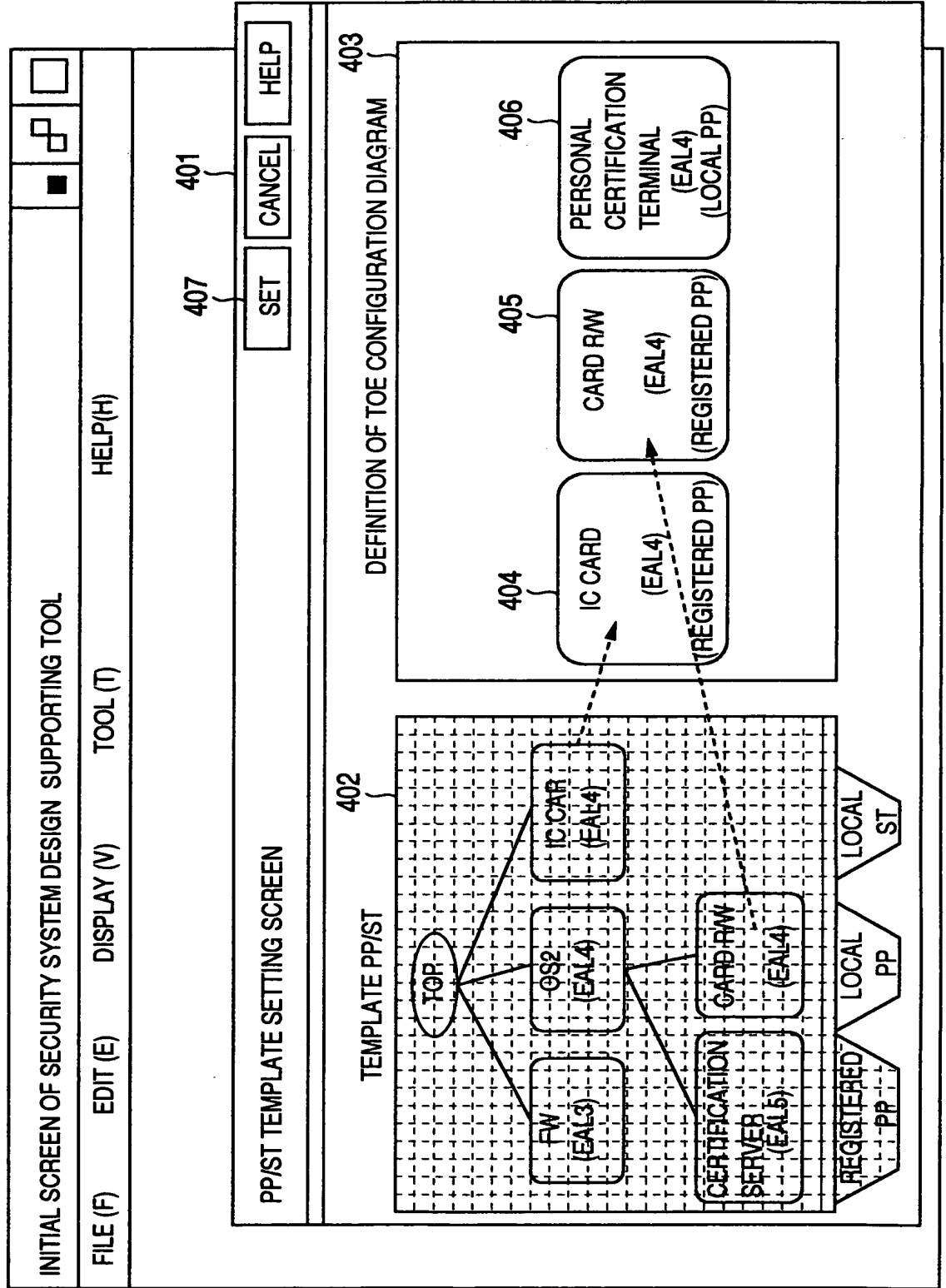


FIG.6

PP/ST DOCUMENT EDIT SCREEN OF SECURITY SYSTEM DESIGN SUPPORTING TOOL				501	■	□	□
FILE (F)	EDIT (E)	DISPLAY (V)	TOOL (T)	HELP (H)			
<p>CHAPTER 1 INTRODUCTION</p> <p>ICC-PP: INTRODUCTION</p> <p>R/W-PP: INTRODUCTION — 502</p> <p>TERMINAL-PP: INTRODUCTION</p> <p>CHAPTER 2 TOE OUTLINE</p> <p>ICC-PP: TOE OUTLINE</p> <p>R/W-PP: TOE OUTLINE — 503</p> <p>TERMINAL-PP: TOE OUTLINE</p> <p>CHAPTER 3 SECURITY ENVIRONMENT</p> <p>3.1 ASSUMPTIONS</p> <p>ICC-PP: ASSUMPTIONS</p> <p>R/W-PP: ASSUMPTIONS</p> <p>TERMINAL-PP: ASSUMPTIONS</p> <p>3.2 THREATS</p> <p>.....</p> <p>CHAPTER 7 PP CLAIMS USED</p> <p>ICC-PP IDENTIFICATION</p> <p>R/W-PP IDENTIFICATION — 504</p> <p>CHAPTER 8 RATIONALE</p>							

FIG.7

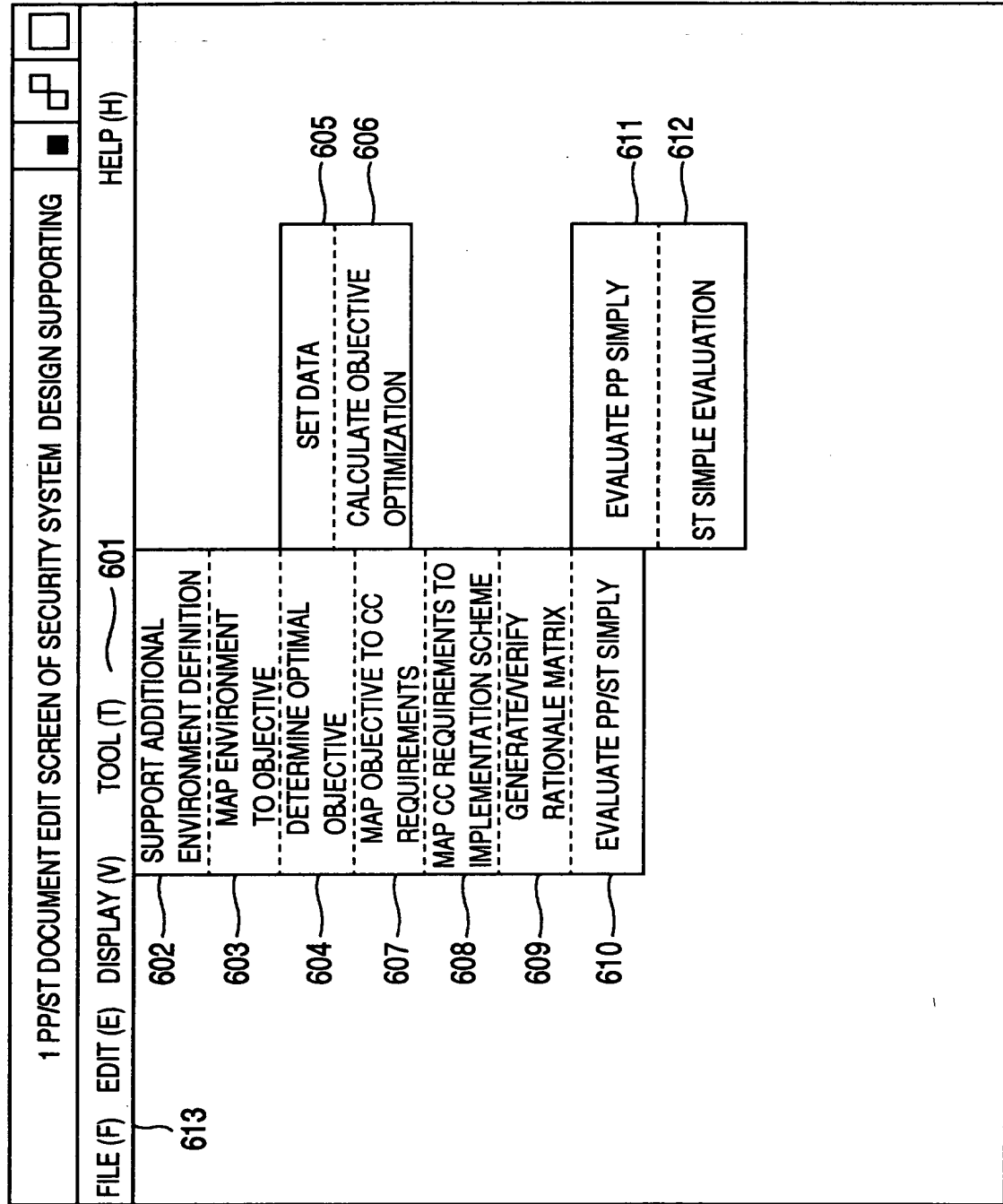


FIG.8

205

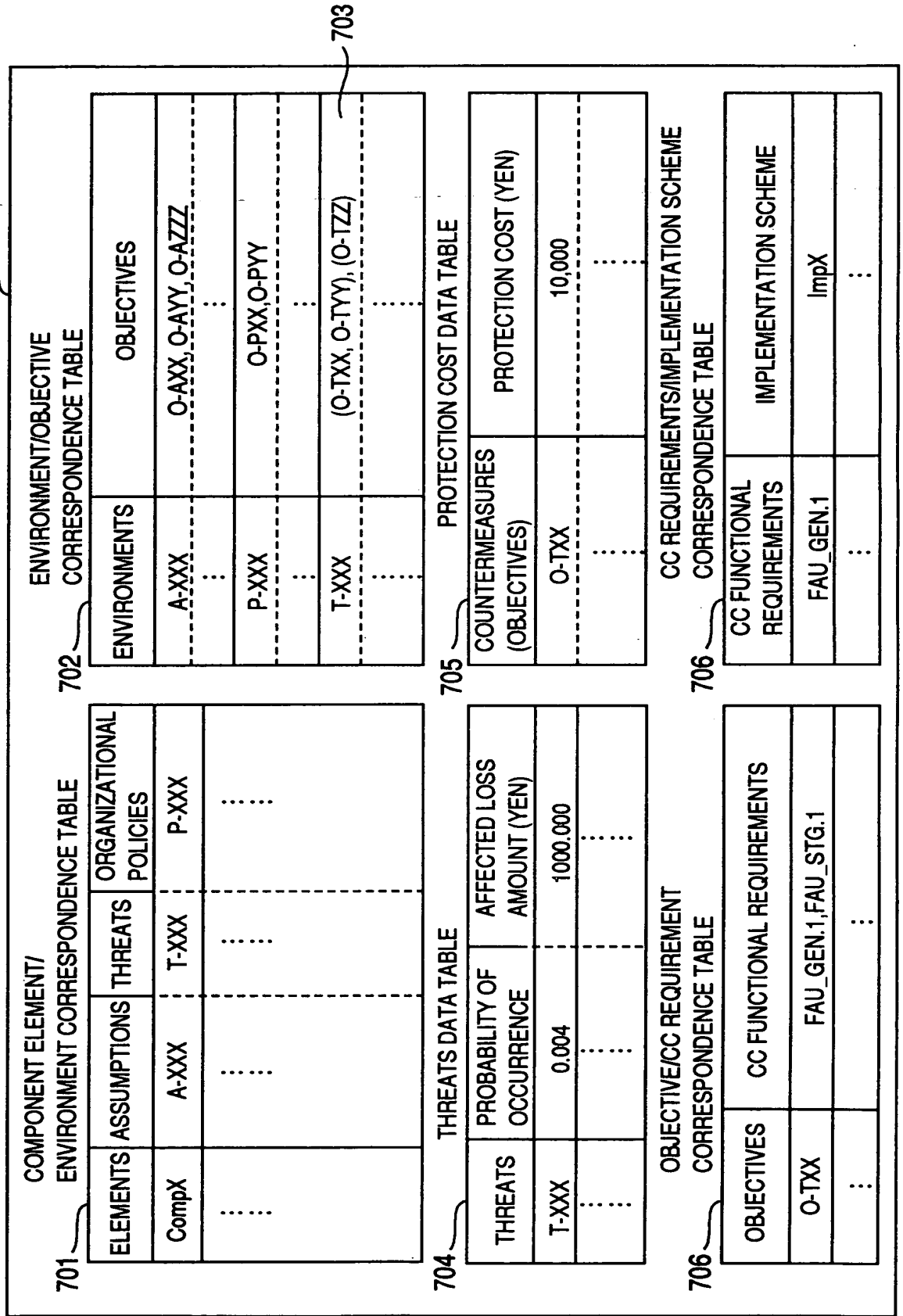




FIG.9

PP/ST DOCUMENT EDIT SCREEN OF SECURITY SYSTEM DESIGN SUPPORTING TOOL					
FILE (F)	EDIT (E)	DISPLAY (V)	TOOL (T)	HELP (H)	

801

DESIGNATION OF OBJECTIVE OPTIMIZATION
CONDITION AND OBJECTIVE FUNCTION

804

EXECUTE

CANCEL

HELP

DESIGNATE EVALUATION FUNCTION: 801

COST MINIMIZATION FUNCTION	<input checked="" type="checkbox"/>
COST MINIMIZATION FUNCTION	<input type="checkbox"/>
PROTECTION RISK MAXIMIZATION FUNCTION	<input type="checkbox"/>

DESIGNATE CONSTRAINTS AND VALUE: 803

☒ RISK ACCEPTANCE: ¥

☐ COST LIMIT VALUE: ¥

☐ RISK-TO-COST RATIO:

FIG.10

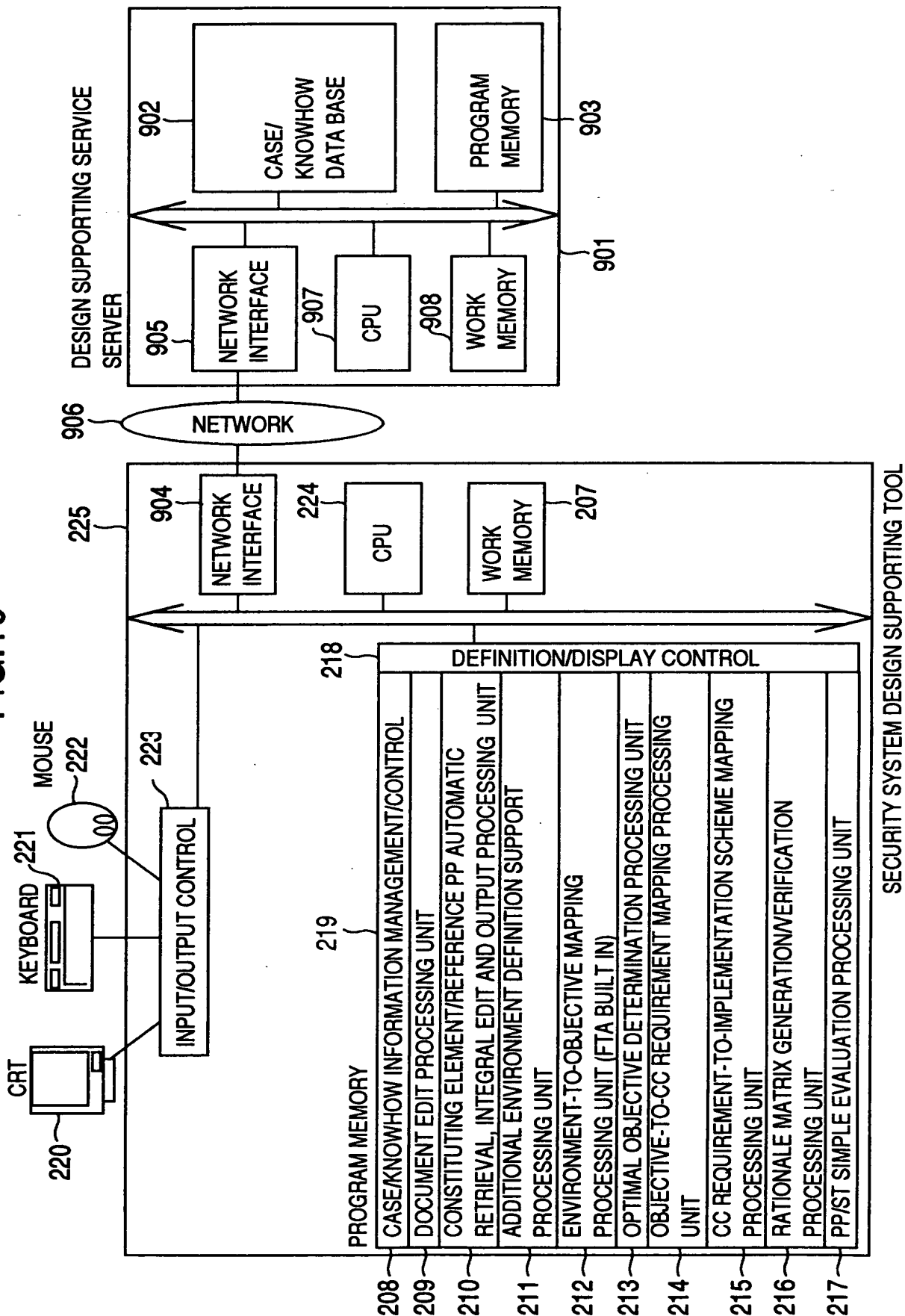


FIG.11

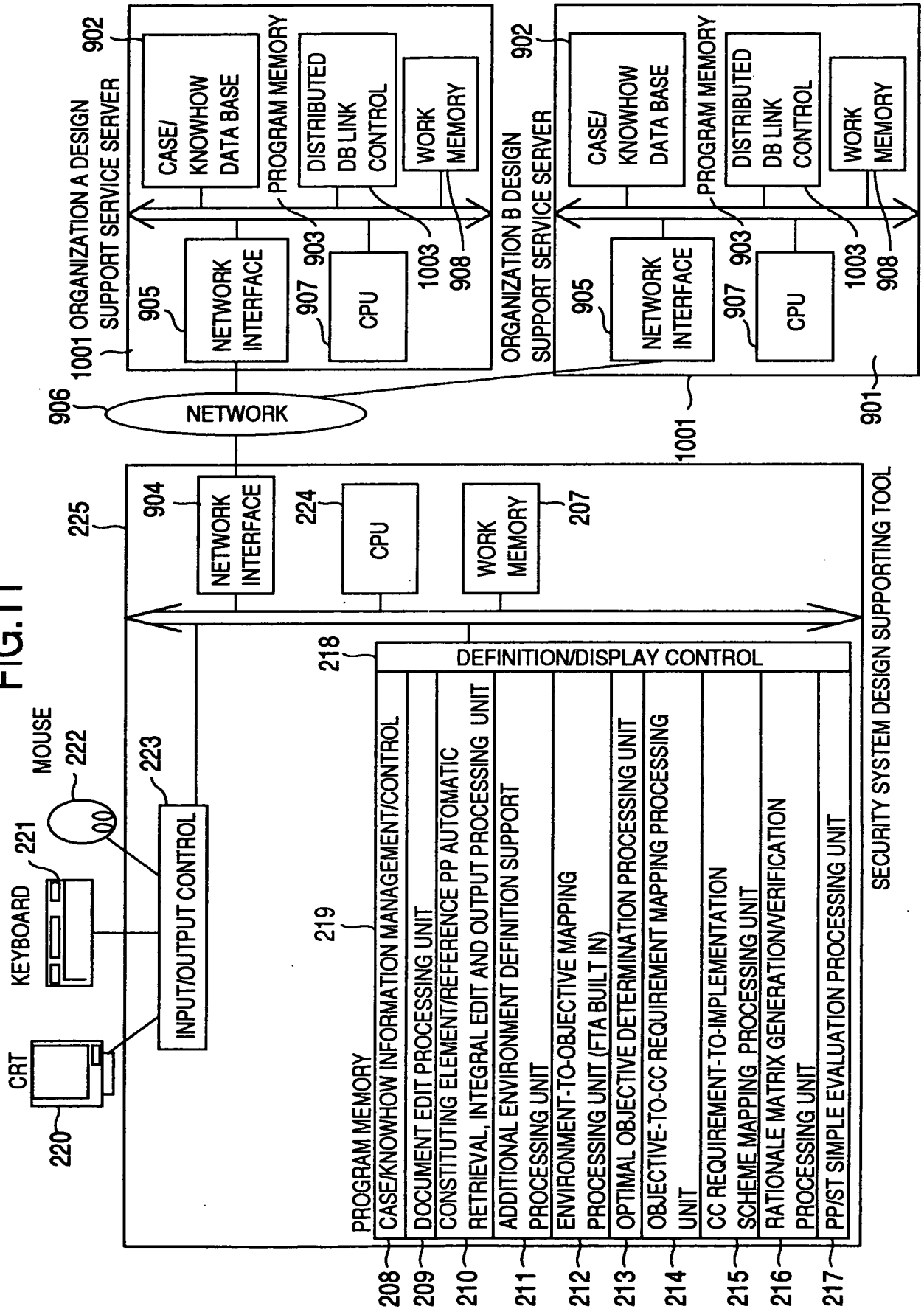
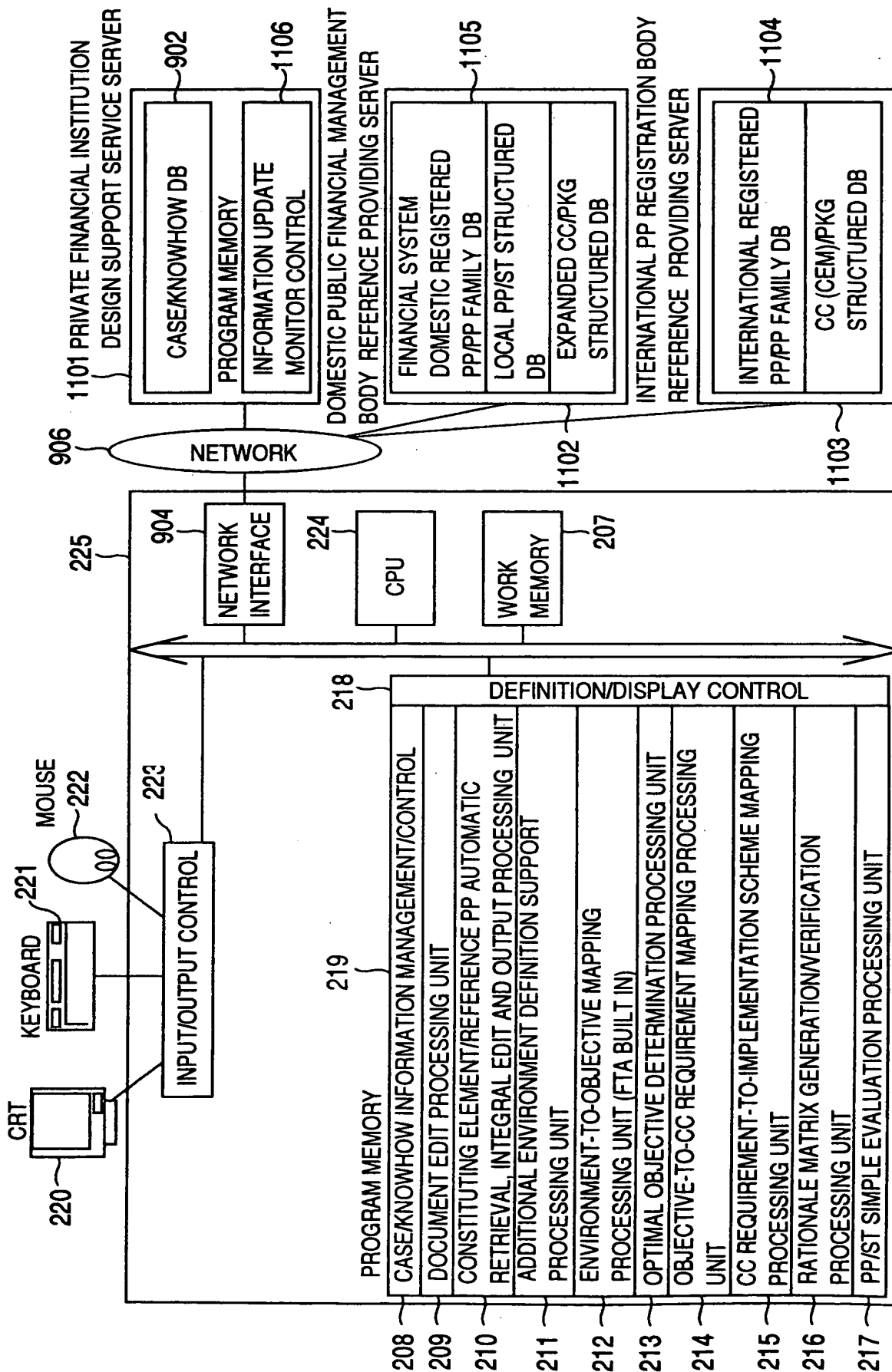


FIG.12



SECURITY SYSTEM DESIGN SUPPORTING TOOL

FIG.13

